FORM PTO-1449			U.S. Dept. of Commerce			Atty Docket No.		Serial No.		
LIST OF DISCLOSURES CITED BY APPLICANT IAN 1					Patent and Trademark Office		Applicant Ansaldi et al.			
LIST OF DISCLOSURES CITED BY APPLICANT JAN					5 - )	Filing	Date	17	Group	
(Use several sheets if necessary)				FOREIGN PATENT DOCUMENTS		1	5 Aug 2003		•	Assigned
				ALL PO	REIGN PATENT DOCUMEN	ITS				
Examiner							Τ		Tra	anslation
Initials		Document Number	Date		Country		Class	Subclas	ss Ye	s No
ALI	33	8-506247		JP (W/E	NGLISH ABSTRACT)				<u>}</u>	
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)  [Bjork, Ingemar et al., "Gross Conformation of Human Secretory Immunoglobulin A and Its Component Parts"										
ALH	34	European Journal	of Biochemistry	45:134	-145 (1974)				_	nt Parts"
ALH	35	"Choice of exchanger group" <u>Ion Exchange Chromatography Principles and Methods</u> pps. 51 (1994)								
ALH	36	De Rie, Menno A., et al., "Evaluation of a method of production and purification of monoclonal antibodies for clinical applications" J. of Immunological Methods 102:187-193 (1987)								
ALH	37	Gagnon, Pete, "Ion Exchange Chromatography" <u>Purification Tools for Monoclonal Antibodies</u> , Chapter 4, pps. 57-86 (1996)								
ALH	38	Karlsson, Evert; Ryden, Lars, "Ion-Exchange Chromatography" Protein Purification - Principles, Bigh-Resolution Methods and Applications, Jan-Christer Janson and Lars Ryden, Second edition, John Wiley Sons pps. 145-205 (1998)								
			· · · · · · · · · · · · · · · · · · ·		·					
			*. *					17.		
									- 11	
					· · · · · · · · · · · · · · · · · · ·					-
			<del> </del>		F4 / A / A	*			-	
	•									· <u></u>
		A					·			
								<del>,</del>		
				· · · · · ·	·					
						<del></del>			<del></del> ,	
					<u> </u>	<del></del> _		<del></del>		
					<del></del>			-	·	
Examiner	,	<u> </u>	/Anne	Holle	ran/ (06/13/2006)	Date Con	sidered	_		
*Examine	er: Init	ial if reference consider	ered, whether or no	t citation	is in conformance with MPE form with next communicatio	P 609: dr	aw line through	h citation	1	

	D C			Sheet 1 of 1				
<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	PE	*	Athy Dooleat No.	Serial No.				
FORM PTO-1429 U.S. Dept. of Commerce			Atty Docket No.	10/642,409				
Patent and Trademark Office			10/042,409					
.l -		<i>\$1</i>	Applicant Ansaldi et al.					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LIST OF DISCLOSURES CITED BY APPLICANT  (Use Several sheets if necessary)		Filing Date	Group				
	15 Aug 2003							
		OTHER DISCLOSURES (Including Author, Title, Date,						
AL	Chicz et al., "Surface-Mediated Retention Effects of Subtilisin Site-Specific Variants in Cation-Exchange Chromatography" Journal of Chromatography 443:193-203 (1988)							
AL	29	Hoogewerf et al., "CXC Chemokines Connective Tissue Activating Peptide-III and Neutrophil Activating Peptide-2 are Heparin/Heparan Sulfate-degrading Enzymes" <u>Journal of Biological Chemistry</u> 7:3268-3277 (1995)						
, ALI	30	Karlsson and Ryden, "Ion-Exchange Chromatography" Protein Purification: Principles, High Resolution						
	<del>                                     </del>	Mann et al., "3.7 - 3.7.4" Natural Products: their chemistry and	biological signification	ance, first edition,				
ALH	31	Longman Scientific & Technical pps. 194-199 (1994)						
		M14. 7						
	_							
			<del></del>					
			· · · · · · · · · · · · · · · · · · ·					
			1 11111					
	_							
Examine	r	/A TG11/ /06/12/2025 Da	te Considered					
	/Anne Holleran/ (06/13/2006)							

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty Docket No. Serial No. U.S. Dept. of Commerce **FORM PTO-1449** not yet assigned P1363R1C1 Patent and Trademark Office Applicant LIST OF DISCLOSURES CITED BY APPLICANT Ansaldi et al. Filing Date Group (Use several sheets if necessary) 15 Aug 2003 not yet assigned **U.S. PATENT DOCUMENTS** Examiner Class Subclass nitials Document Number Date Name Filing Date ALH 1 03.05.99 09/304,465 Basey et al. Fisher et al. \* 2 4,228,154 14.10.80 4,764,279 16.08.88 Tayot et al. 3 23.08.88 D'Andrea et al. 4,765,903 4 05.05.92 Coan et al. 5 5,110,913 27.07.93 Holtz et al. 5,231,178 Tenold.R. 7 5,250,663 05.10.93 Van Reis, R. 8 5,256,294 26.10.93 5,490,937 13.02.96 Van Reis, R. **FOREIGN PATENT DOCUMENTS** Examiner Translation nitials Document Number Date Class Subclass Country Yes No ALH \*10 452,753 23.10.91 EPO \*11 460,426 B1 17.09.97 EPO 7,285,885 31.10.95 12 JAPAN (ABSTRACT ONLY) +13 WO 92/04970 02.04.92 PCT WO 99/57134 11.11.99 14 PCT \*15 96/40776 19.12.96 OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) Arndt, K. M., et al., "Factors Influencing the Dimer to Monomer Transition of an Antibody Single-Chain ALH Fv Fragment Biochemistry 37:12918-12926 (1998) Chang et al., "Single-Step Solubilization and Folding of IGF-1 Aggregates from Escherichia coli" Protein Folding: In Vivo and In Vitro, American Chemical Society, Chapter 14, pps. 178-188 (1993) Chaudhary, V. K., et al., "A recombinant immunotoxin consisting of two antibody variable domains fused to Pseudomonas exotoxin" Nature 339:394-397 (Jun 1, 1989) Elliott et al., "Yeast-Derived Recombinant Human Insulin-Like Growth Factor I: Production, Purification, and Structural Characterization" J. Protein Chem. 9(1):95-104 (1990) \*19 Hahn et al., "Bovine whey fractionation based on cation-exchange chromatography" J. of Chromatography 795:277-287 (Feb 1998) **\*20** Harlow et al., "Antibody Molecules" Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory pps. 7. 10 (1988) \*21 Jiskoot, W., et al., "Two-step purification of a murine monoclonal antibody intended for therapeutic application in man - Optimisation of purification conditions and scaling up" J. of Immunological Methods \*22 Lemque et al., "Study of the adsorption of self-associating proteins on an anion exchanger: Application to the chromatography of β-lactoglobulin B" Journal of Chromatography 599:255-265 (1992) \*23 Lynch, Paul, et al., "System for Aggregate Removal from Affinity-Purified Therapeutic-Grade Antibody" Genetic Engineering News 17(19):17 (Nov 1, 1997) \*24 Examiner /Anne Holleran/ (06/13/200 Pate Considered \*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Dept. of Comr		1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.		
' 0' '''	11 10	Patent and Trademark Office	P1363R1C1	not yet assigned		
			Applicant			
LIST	OF DI	SCLOSURES CITED BY APPLICANT	Ansaldi et al.			
(U	Jse sev	veral sheets if necessary)	Filing Date	Group not yet assigned		
			15 Aug 2003	not yet assigned		
		OTHER DISCLOSURES (Including Author, Title, Date,				
ALI	*25	Roitt, "Molecules Which Recognize Antigen" Essential Immunology Publications pps. 31, 40 (1988)				
AL	<del>]</del> 26	Yang et al., "Influence of column type and chromatographic cond of immunoglobulins" J. of Chromatography 743:171-180 (1996)				
ALI	*27	Yang, J., et al., "A Genetically Engineered Single-Chain FV/TNF Immunoreactivity of FV as well as the Cytotoxic Activity of Turn 32(12):873-881 (1995)	Molecule Possesses tor Necrosis Factor" M	he Anti-Tumor olecular Immunology		
	,					
			,			
			<del>, , , , , , , , , , , , , , , , , , , </del>			
Examine	r	/Anne Holleran/ (06/13/2006	ate Considered			
*Examin	er: Ini	tial if reference considered, whether or not citation is in conformance with MPEP	609; draw line through cita	tion		

Sheet	3	of	1
SHEEL	<u>*</u>	OI	

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

Serial No. 10/642,409

Applicant

Ansaldi et al.

Filing Date
15 Aug 2003

Group Not Yet Assigned

## LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

## **U.S. PATENT DOCUMENTS**

xaminer nitials		Document Number	Date Name		Class	Subclass	Filing Date	
	*32	5,250,662	05.10.93	Chang, C.E.	Class	Oubclass	27.02.92	
AUI.	. 32	3,230,002	03.10.73	land, c.z.			27.02.72	
		1						
·	ŀ			·				
		ŀ		·	·			
	ļ			·				
					·			
			-				<u> </u>	
			,					
		i					i	

Examiner

/Anne Holleran/ (06/13/2006)

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.